

Rounding & Estimating: Hard Practice Paper

Q1. Round 0.007352 to 2 significant figures.

- A. 0.007 B. 0.0073 C. 0.00735 D. 0.0074 E. 0.008

Q2. Estimate 0.0613×0.0481 by rounding each number to 1 significant figure.

- A. 0.002 B. 0.00295 C. 0.003 D. 0.004 E. 0.03

Q3. A number is rounded to 2 significant figures and gives 0.047. What is the LARGEST value the number could be?

- A. 0.0470 B. 0.0474 C. 0.0475 D. 0.0476 E. 0.0480

Q4. Round 29,950 to 3 significant figures.

- A. 29,000 B. 29,900 C. 29,950 D. 30,000 E. 31,000

Q5. Estimate the total cost of 5.8 kg of cheese at £4.95 per kg by rounding each value to the nearest whole number.

- A. £25 B. £28 C. £29 D. £30 E. £35

Q6. Round 1,234,567 to 4 significant figures.

- A. 1,230,000 B. 1,234,000 C. 1,235,000 D. 1,240,000 E. 1,300,000

Q7. A number is rounded to 3 significant figures to give 4.50. Which of these CANNOT be the original number?

- A. 4.495 B. 4.498 C. 4.501 D. 4.504 E. 4.505

Q8. A runner's lap time is 4 minutes and 6.28 seconds. Round the seconds to 1 significant figure.

- A. 4 min 6 sec
- B. 4 min 6.2 sec
- C. 4 min 6.3 sec
- D. 4 min 7 sec
- E. 4 min 10 sec

Q9. Round 500,500 to 2 significant figures.

- A. 500,000
- B. 500,500
- C. 501,000
- D. 505,000
- E. 510,000

Q10. Estimate $8.3 + 15.7 + 24.1 + 42.9$ by rounding each number to the nearest 10.

- A. 80
- B. 90
- C. 91
- D. 100
- E. 110

Q11. Round 3.14159 to 4 significant figures.

- A. 3.1
- B. 3.14
- C. 3.141
- D. 3.142
- E. 3.15

Q12. A rectangular field is $94.6 \text{ m} \times 38.2 \text{ m}$. Estimate its area by rounding each measurement to the nearest 10.

- A. $3,000 \text{ m}^2$
- B. $3,600 \text{ m}^2$
- C. $3,613 \text{ m}^2$
- D. $3,700 \text{ m}^2$
- E. $4,000 \text{ m}^2$

Q13. Round 0.000999 to 1 significant figure.

- A. 0.0001
- B. 0.0009
- C. 0.001
- D. 0.01
- E. 0.1

Q14. A number is rounded to 1 significant figure and gives 0.07. Which of these could be the original number?

- A. 0.063
- B. 0.064
- C. 0.065
- D. 0.075
- E. 0.076

Q15. Estimate $34.5 \div 4.8$ by rounding each number to the nearest whole number.

A. 6

B. 7

C. 7.2

D. 8

E. 9

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